



TORQUE LIMITERS







Characteristic

They can easily be adjusted to slip at a disired overload, auto matically re-engaged when overload is removed.

Overload should be removed promptly since prolonged slippage can be detrimental to the friction disc.

No resetting generally is required after the Torque Limiter has slipped. Torque Limiters prevent machine damage, product damage and costly down time caused by shock loads, overloads or machine jams.

They should be used as clutches or to prevent personal injury.

Torque Limiters are primarily for use with sprockets, gears and pulleys.

Selection

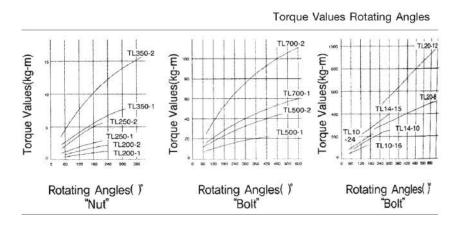
When the torque at which the divice should slip is determined, simply choose a Torque Limiter from Table, which has a maximum torque rating as great as or greater than the required torque. Check to see if required bore is available. It is good practice to select the Torque Limiter with a maximum torque rating reasonably greater than the required torque if possible.

Torque Limiters should not be used on High Speed Drivers. Torque Limiter Adjustment

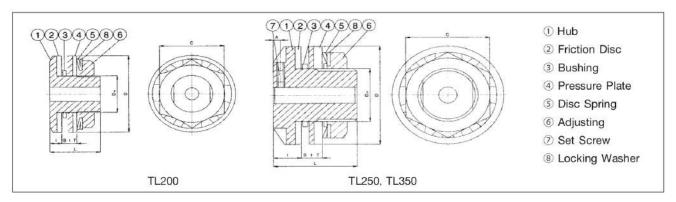
Adjustment of Torque Limiters is simple and positive.

Only and open and wrench and a socket head set screw wrench are needed.

- : Back-off the three cap screws until the points are recessed in the threaded adjusting collar.
- : Tighten the threaed adjusting collar by hand and then tighten the cap screws with an open end wrench until the heads bottom.
- : Try the unit in its application and if further adjustments is necessary, loosen cap screws until points are recessed in the adjusting collar. Torque can also be checked by applying tension to one strand of chainwith a spring scale or other means.
- : Tighten or loosen the adjusting collar as needed, then retighten the cap screws until the heads bottom



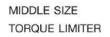
Structure and Dimensions

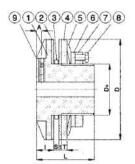


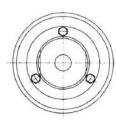




SIZE	Basic	Finished	Max. Bore Dia	Bushing		Driver	Dimensions (mm)													
	torque (kgf.cm)	Bore (H10)		Width	Out Dia	Member Bore	D	DH	L	1	Т	t	S (Max)	А	С	6	7	Weight (kgf)		
TL-200-1	0.3~1		-1.1	3.8 6.0	30 -0.024	30 +0.03		24	29	6.5	2.0	0.5	7		38	M24	575	0.2		
TL-200-2	0.7~2	8	14				50				2.6	2.5				x1.0		0.2		
TL-250-1	0.7~2.8	10		00	4.5	44 -0.010	41 +0.05	0.5	0.5	40	10	4.5	0.0	_			M35		0.5	
TL-250-2	1.4~5.5			22	6.5	41 -0.010	41 0	65	35	48	16	4.5	3.2	9	4	50	x1.5	M5	0.5	
TL-300-1	2.0~7.6	17		0~7.6	05	4.5	40 -0.025	40 ±0.05		40	-00	40				_		M42		10
TL-350-2	3.5~15.2		25	9.5	49 -0.025	49 +0.05	89	42	62	19	4.5	3.2	16	6	63	x1.5	M5	1.2		

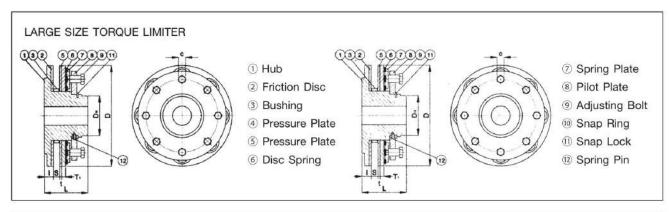






- ① Hub
- 2 Friction Disc
- 3 Bushing
- 4 Pressure Plate
- ⑤ Disc Spring
- 6 Adjusting
- Set Screw
- 8 Locking Washer

SIZE	Basic torque (kgf.cm)	Finished	Max. Bore Dia	Bushing		Driver	Dimensions (mm)												
		Bore (H10)		Width	Out Dia	Member Bore	D	DH	L	1	Т	t	S (Max)	Α	7	8	9	Weight (kgf)	
TL-500-1	4.8~21.4	20	42	6.5	74 -0.05	74 +0.05	127	65	76	22	5.7	3.2	16	7	M65	4686.5	M8 3.0	2.0	
TL-500-2	9~42.9	20	42	9.5			121	/ 03	70	22	5.7	5.2			x1.5	x1.5		3.0	
TL-700-1	11.8~58.1	20	30	64	9.5	100-0.010	41 +0.05	178	95	98	24	7.7	3.2	29	8	M95		M10 6.	6.7
TL-700-2	22.8~110.6		04	12.5	100-0.045	41 0	170	95	90	24	1.1	3.2	29	0	x1.5	x1.5	IVITO	0.7	



SIZE	Basic	Finished	Max. Bore Dia	Bus	shing	Driver	Dimensions (mm)											
	torque (kgf.cm)	Bore (H10)		Width	Out Dia	Member Bore	D	DH	L	1	Т	T1	T2	t	S (Max)	С	9	Weight (kgf)
TL-10-16 TL-10-24		30	72	12.5 15.5 19.5	135 -0.085	135 +0.07	254	100	115	23	15	15	-	4.0	24	19	M24 x1.0	0.2
TL-14-10 TL-14-15	SEKELIKI TEOLESIS	40	100	15.5 19.5 23.5	183 -0.07	183 +0.07	356	145	150	31	13	13	13	4.0	29	27	M35 x1.5	0.5
TL-20-6 TL-20-12	250~500 470~950	50	130	15.5 19.5 23.5	226 -0.07	266 +0.07	508	185	175	36	15	15	18	4.0	31	36	M42 x1.5	1.2



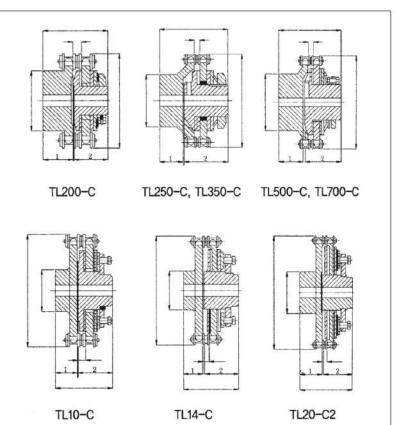


TORQUE LIMITER COUPLING

Dimension Torque Limiter Couplings

Torque Limiter Coupling is a exible Coupling which consists of a torque limiter and a special type steel sprocket connected with a steel double roller chain.

Easily centering and simply installation.



Size	Rated	Max.	Finished	Bore (H)	Max.	Bore	Approcated			Weight				
No.	torque (kgf.cm)	RPM	Sprocket	Torque	Sprocket	Torque	Sprocket	D	Dн	L	l 1	£ 2	S	(kgf)
TL-200-1C	0.3~1	1000	8	0	8	0	#40 4CT	70	50	55	0.4	29	7.4	4.0
TL-200-2C	0.7~2.0	1200	8	8	8	8	#40-16T	76	50	55	24	29	7.4	1.0
TL-250-1C	0.7~2.8	1000	40	40	40	10	#40 00T	100		70	05	40	7.4	0.0
TL-250-2C	1.4~5.5	1000	13	10	13	10	#40-22T	102	56	76	25	48	7.4	2.0
TL-350-1C	2.0~7.6	800	40	17	12	17	#50-24T	137	72	103	37	62	9.7	5.2
TL-350-2C	3.5~15.2		12	17	12	-17	#50-241	137	12	103	3/	62		5.2
TL-500-1C	4.8~21.4	500	18	00	10	00	#60 00T	188	105	100	40	76	11.6	100
TL-500-2C	9.0~42.9		18	20	18	20	#60-28T	100	105	120	40	76	11.6	12.3
TL-700-1C	11.8~58.1	400	00	20	00	20	#00 00T	051	150	100	00	00	150	210
TL-700-2C	22.8~110.6	400	23	30	23	30	#80-28T	251	150	168	66	98	15.3	31.0
TL-10-16C	40~130	000	00	00	00	-00	#4.40 DOT	055	137	400	74	445	00.0	00
TL-10-24C	60~190	300	33	30	33	30	#140-22T	355		189	71	115	26.2	66
TL-14-10C	90~272	000	00	40	38	40	#460 OCT	470	167	235	00	450	30.1	
TL-14-15C	200~400	200	38	40		40	#160-26T	470			80	150		140
TL-20-6C	250~500	140	40	50	40	50	#100.00	604	007	200	100	175	20.4	005
TL-20-12C	470~950	140	43	50	43	50	#160-36T	631	237	300	120	175	30.1	285